

8th Grade Science Vocabulary Quiz 22

1. ___ The amount of force needed to move an object in a certain direction.
A.lithosphere B.kinetic energy C.work D.velocity
2. ___ The thin, outer most layer of Earth.
A.asthenosphere B.energy transformations C.balanced forces D.crust
3. ___ States that objects at rest remain at rest, and objects in motion remain in motion with the same velocity, unless acted on by an unbalanced forced.
A.speed B.asthenosphere C.Newton's first law D.acceleration
4. ___ Energy in motion.
A.work B.acceleration C.kinetic energy D.energy transformations
5. ___ Unequal forces that cause a change in motion.
A.Newton's third law B.unbalanced forces C.asthenosphere D.acceleration
6. ___ The layer of Earth that houses the plates of Earth.
A.Newton's second law B.kinetic energy C.lithosphere D.work
7. ___ The rate of change of the velocity of an object with respect to time.
A.balanced forces B.Newton's first law C.work D.acceleration
8. ___ Energy that is stored.
A.velocity B.Newton's third law C.potential energy D.Newton's second law
9. ___ States that the acceleration of an object increases with increased force and decreases with increased mass.
A.work B.Newton's second law C.crust D.balanced forces
10. ___ The taffy-like layer of Earth that moves the plates.
A.work B.asthenosphere C.Newton's second law D.acceleration
11. ___ Distance traveled in a certain amount of time.
A.velocity B.Newton's first law C.asthenosphere D.speed
12. ___ Speed traveled in a certain direction.
A.Newton's second law B.balanced forces C.velocity D.Newton's third law
13. ___ States that every time one object exerts a force on another object, the second object exerts a force that is equal in size and opposite in direction back on the first
A.lithosphere B.velocity C.acceleration D.Newton's third law
14. ___ Energy being converted to another form of energy.
A.crust B.unbalanced forces C.energy transformations D.work
15. ___ Equal forces that cause no change in motion.
A.Newton's first law B.potential energy C.balanced forces D.work